

# AIR QUALITY MONITOR USING A RASPBERRY PI

## Journal 1

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Science Project  
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Sample Journal  
Date: March 9th, 2023  
Time: 18:00

Entry Number: 1  
Total minutes: 30

THIS ENTRY: 30 minutes  
CUMULATIVE TOTAL MINUTES TO DATE: 30 minutes

PROJECT'S MATERIAL:

#	ITEM NAME	Price before COVID Crisis US\$	Current price (2023) US\$	Difference US\$
1	Raspberry Pi 3 B+	60.00	138.89	+78.99
2	Case with screen and heatsinks set	39.99	39.99	0
3	5V/2.5A power supply	19.95	19.95	0
4*	Air monitoring Hat	35.00	64.99	+29.99
<b>Project Investment</b>		<b>154.94</b>	<b>263.92</b>	<b>+108.98**</b>

Comments:

\*at the moment of the writing of this report, the Air monitoring Hat (item 4) is not available for purchasing on Amazon.com

\*\*The increase in the price of IoT devices which are built and assembled in China makes more difficult to invest in Research and Development for third world countries in projects related to STEM and IoT.

IMAGES:

ITEM #1



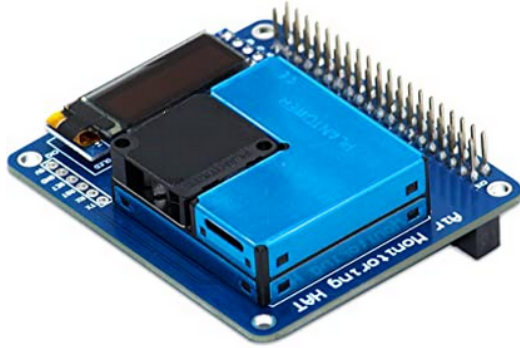
ITEM #2



ITEM #3



## ITEM #4



### sb components Air Monitoring HAT for Raspberry Pi 4B/3B+/3B/2B/B+/A+/Zero and Zero W, Real Time PM Sensor Air Monitor Module for Raspberry Pi

[Visit the sb components Store](#)

No reviews

#### Currently unavailable.

We don't know when or if this item will be back in stock.

- Air Monitoring HAT for Raspberry Pi
- Real time PM sensor for raspberry pi
- Hi-tech PMSA003 sensor
- High speed UART interface
- Standard 40pin GPIO with inbuilt 0.91" display